

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**LISTING OF CLAIMS:**

**1-8. (cancelled)**

**9. (currently amended)** A metal/plastic hybrid which comprises:

a thermoplastic,

a metal compound melting in the range between 100°C and 400°C the metal compound consisting essentially of a metal selected from the group consisting of bismuth, zinc, tin and mixtures thereof, and

an electrically conducting and/or metallic filler in the form of a conductive fiber and/or particle in a proportion of at least 30% by weight to 70% by weight, and is present jointly with the metal compound melting in the range between 100°C and 400°C in the hybrid as a fiber network, wherein the electrically conducting and/or metallic filler is copper.

**10. (cancelled)**

**11. (previously presented)** The metal/plastic hybrid according to Claim 9, wherein the proportion of the metal

compound melting in the range between 100°C and 400°C and of the electrically conducting and/or metallic filler is  $\geq 60\%$  by weight.

**12. (previously presented)** The metal/plastic hybrid according to claim 9, which has a specific volume resistance of less than  $10^{-2} \Omega\text{cm}$  and/or a thermal conductivity of  $> 5\text{W/mK}$ .

**13. (previously presented)** The metal/plastic hybrid according to claim 9, wherein the electrically conducting and/or metallic filler is fiber shaped and/or particle shaped and comprises a metal, a metal alloy, carbon black, carbon fibers and/or an intrinsically conducting polymer.

**14. (previously presented)** The metal/plastic hybrid according to Claim 13, wherein the length of the fibers lies between 1 and 10 mm, the thickness is  $< 100 \mu\text{m}$  and/or the size of the particles is  $< 100 \mu\text{m}$ .

**15. (cancelled)**

**16. (currently amended)** A shaped body, produced by a plastic shaping process, and which is at least in part manufactured from a metal/plastic hybrid comprising a

thermoplastic, a metal compound melting in the range between 100°C and 400°C, the metal compound consisting essentially of a metal selected from the group consisting of bismuth, zinc, tin and mixtures thereof, and an electrically conducting and/or metallic filler in the form of a conductive fiber and/or particle in a proportion of at least 30% by weight to 70% by weight, wherein the an electrically conducting and/or metallic filler is copper.

**17. (previously presented)** The metal/plastic hybrid according to claim 10, which has a specific volume resistance of less than  $10^{-2}$   $\Omega$ cm and/or a thermal conductivity of  $> 5\text{W/mK}$ .

**18. (previously presented)** The metal/plastic hybrid according to claim 11, which has a specific volume resistance of less than  $10^{-2}$   $\Omega$ cm and/or a thermal conductivity of  $> 5\text{W/mK}$ .

**19. (new)** A metal/plastic hybrid, comprising:  
a thermoplastic;  
a lead-free metal compound melting in the range between 100°C and 400°C, the lead-free metal compound consists essentially of a metal; and  
an electrically conducting and/or metallic filler in the form of a conductive fiber and/or particle in a proportion between 30% by weight and 70% by weight, wherein,

the electrically conducting and/or metallic filler is fused with the lead-free metal compound to provide a fiber network.

**20. (new)** The metal/plastic hybrid according to claim 19, wherein the electrically conducting and/or metallic filler is copper.

**21. (new)** The metal/plastic hybrid according to claim 19, wherein the metal of the lead-free metal compound is selected from the group consisting of bismuth, zinc, tin and combinations thereof.